

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2BXD2-HHKCSS160YB

Company : Honghui Kuaicang Technology (Shenzhen) Co.,
Ltd

EUT : inductive intelligent shelf-mobile(customized)

Model Number : HHKCSS160YB

Report No. : CTA26070700901

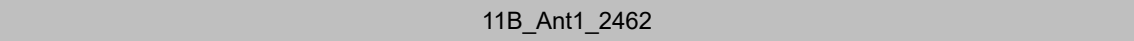
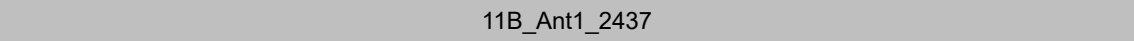
Reviewed By : Eric Wang

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.200	2406.920	2417.120	0.5	PASS
		2437	10.200	2431.960	2442.160	0.5	PASS
		2462	10.240	2456.920	2467.160	0.5	PASS
11G	Ant1	2412	16.000	2404.040	2420.040	0.5	PASS
		2437	15.840	2429.160	2445.000	0.5	PASS
		2462	15.840	2454.160	2470.000	0.5	PASS
11N20SISO	Ant1	2412	16.160	2403.520	2419.680	0.5	PASS
		2437	16.720	2428.680	2445.400	0.5	PASS
		2462	17.200	2453.440	2470.640	0.5	PASS

11B_Ant1_2412





11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



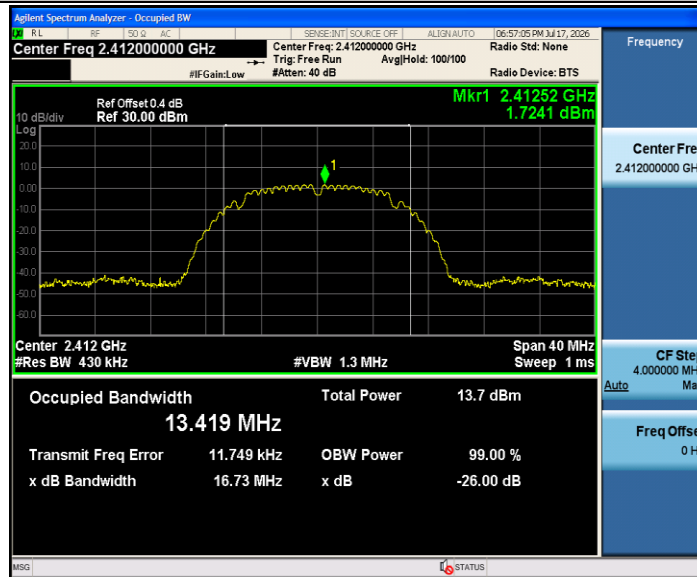
Appendix B: Occupied Channel Bandwidth

Test Result

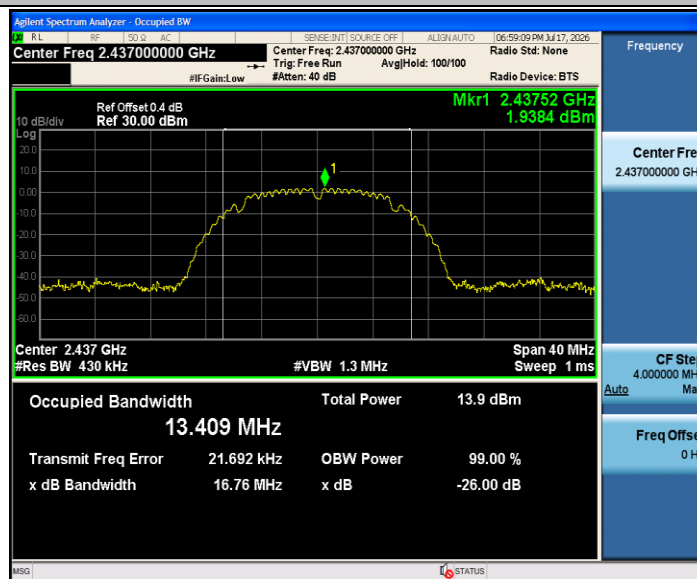
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.419	2405.3023	2418.7213	---	---
		2437	13.409	2430.3172	2443.7262	---	---
		2462	13.411	2455.3272	2468.7382	---	---
11G	Ant1	2412	16.859	2403.6116	2420.4706	---	---
		2437	16.864	2428.6242	2445.4882	---	---
		2462	16.819	2453.6614	2470.4804	---	---
11N20SISO	Ant1	2412	17.870	2403.0798	2420.9498	---	---
		2437	17.849	2428.0940	2445.9430	---	---
		2462	17.948	2453.0385	2470.9865	---	---

Test Graphs

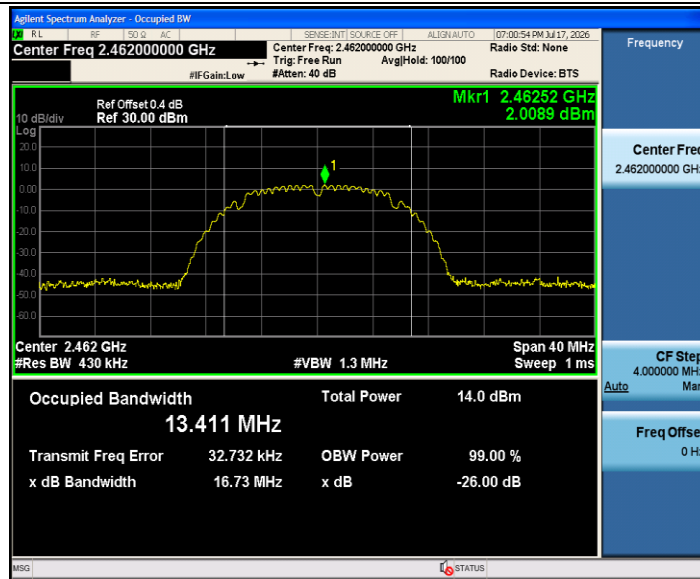
11B_Ant1_2412



11B_Ant1_2437



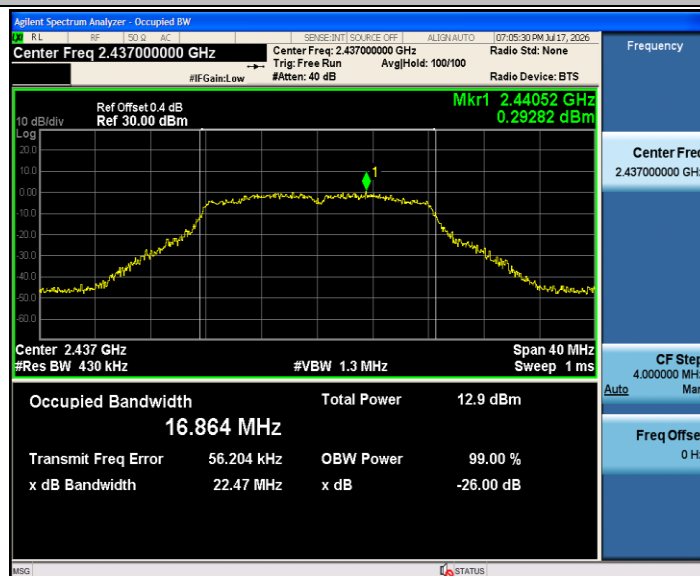
11B_Ant1_2462



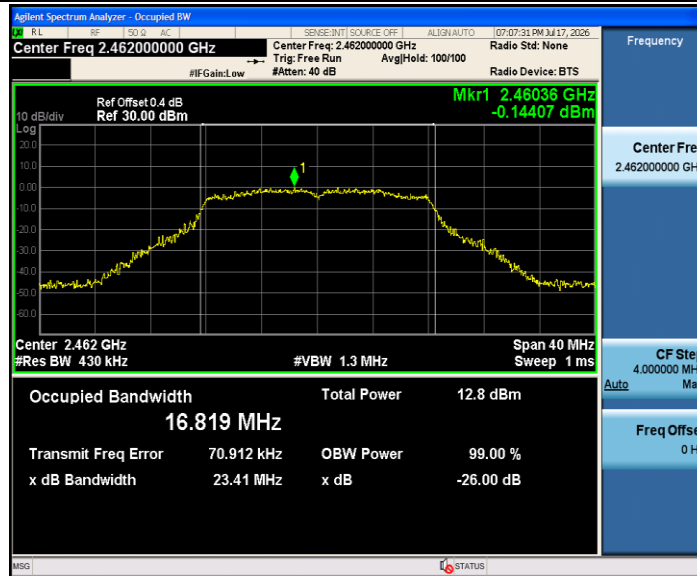
11G_Ant1_2412



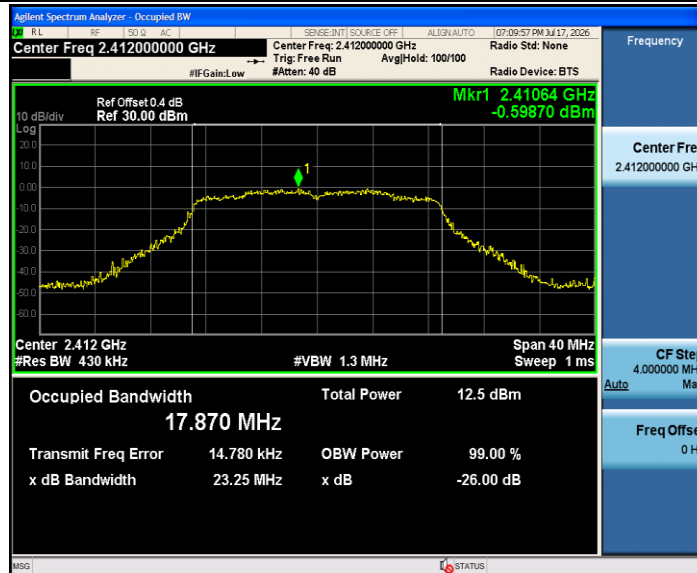
11G_Ant1_2437



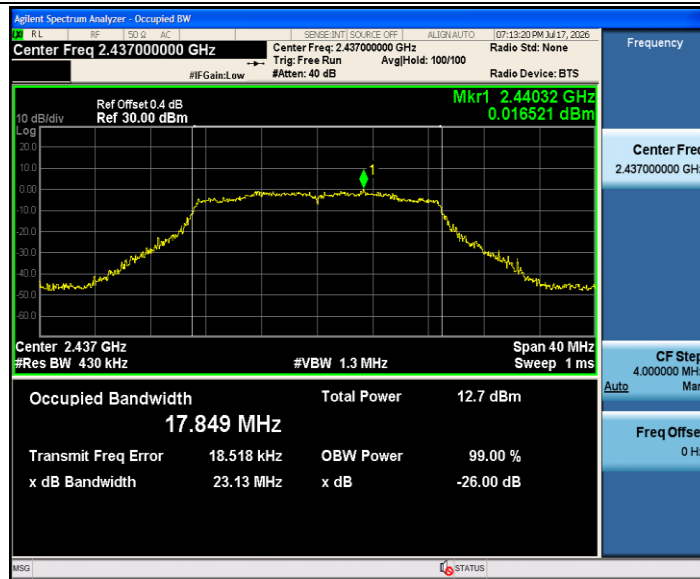
11G_Ant1_2462



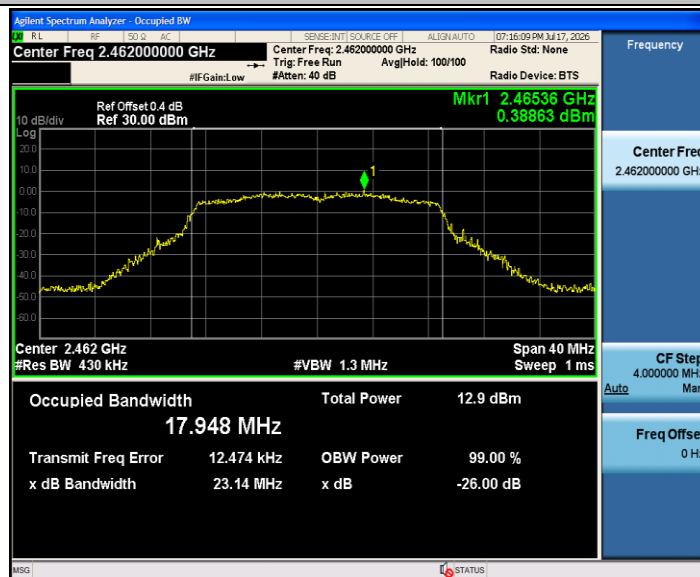
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency[M Hz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	13.34	≤30.00	PASS
		2437	13.46	≤30.00	PASS
		2462	13.69	≤30.00	PASS
11G	Ant1	2412	13.60	≤30.00	PASS
		2437	13.69	≤30.00	PASS
		2462	13.88	≤30.00	PASS
11N20SISO	Ant1	2412	13.29	≤30.00	PASS
		2437	13.59	≤30.00	PASS
		2462	13.80	≤30.00	PASS

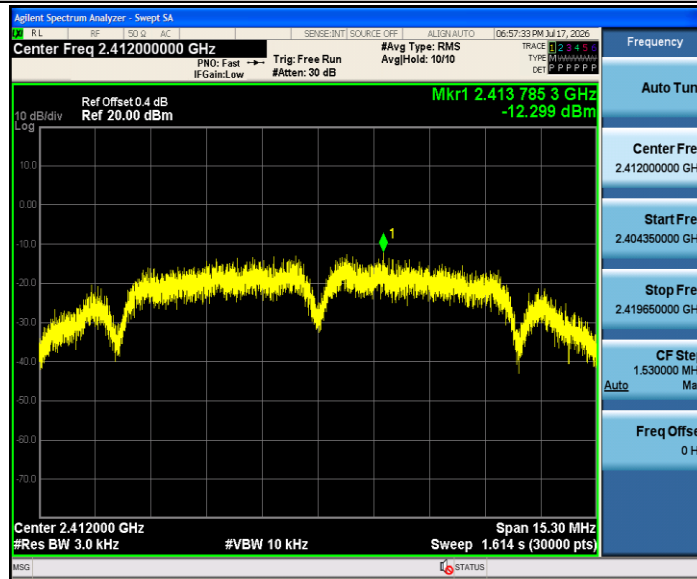
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-12.30	≤8.00	PASS
		2437	-11.76	≤8.00	PASS
		2462	-11.56	≤8.00	PASS
11G	Ant1	2412	-18.24	≤8.00	PASS
		2437	-17.66	≤8.00	PASS
		2462	-17.46	≤8.00	PASS
11N20SISO	Ant1	2412	-18.04	≤8.00	PASS
		2437	-16.99	≤8.00	PASS
		2462	-17.82	≤8.00	PASS

Test Graphs

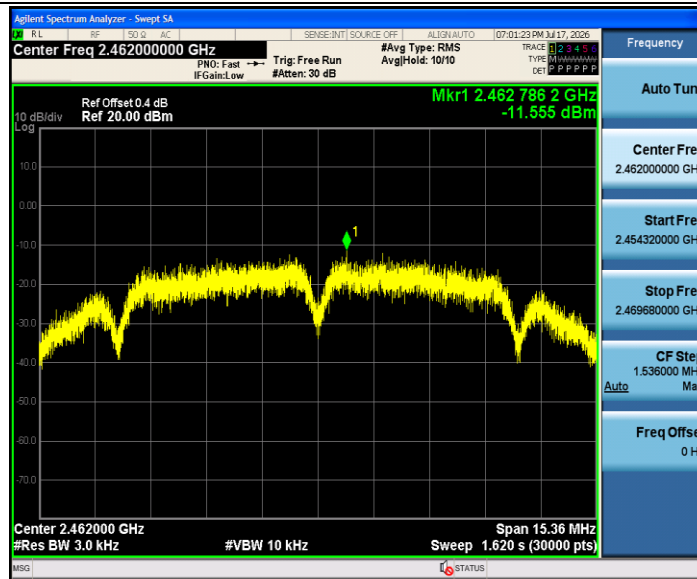
11B_Ant1_2412



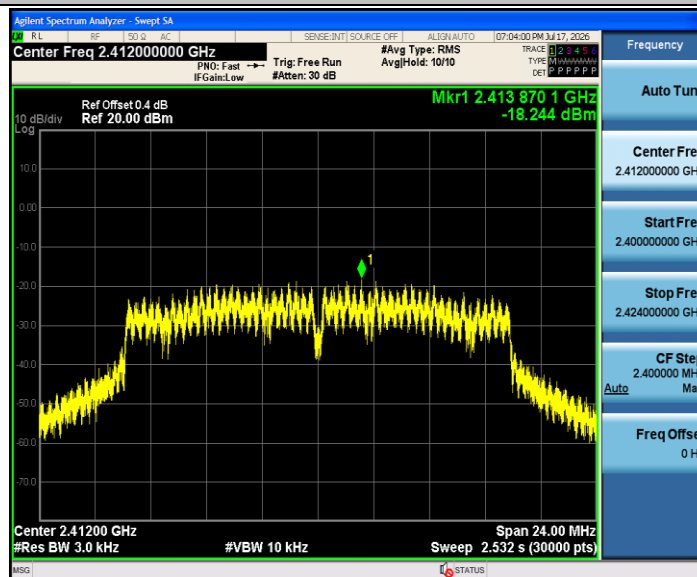
11B_Ant1_2437



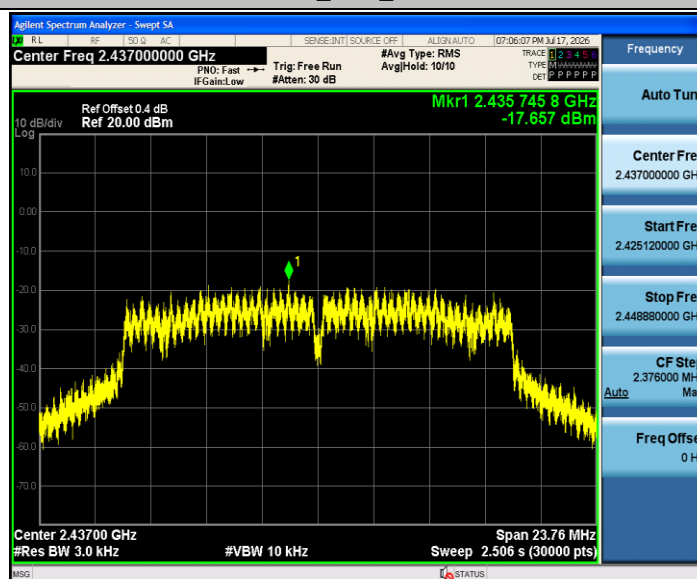
11B_Ant1_2462



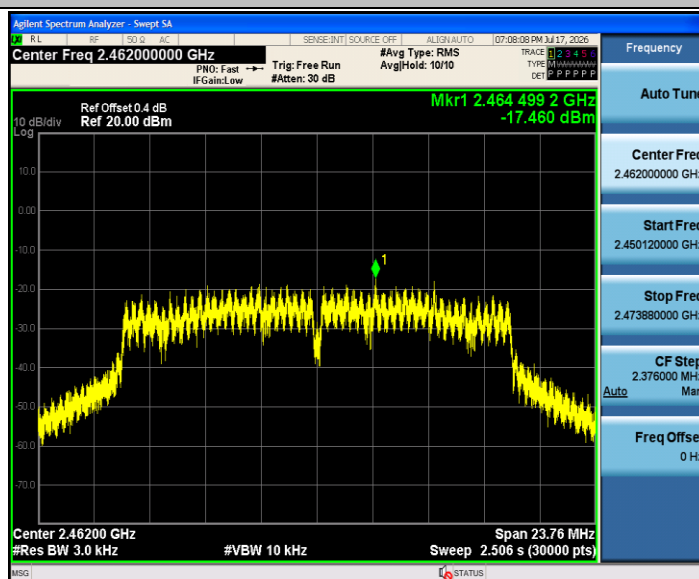
11G_Ant1_2412



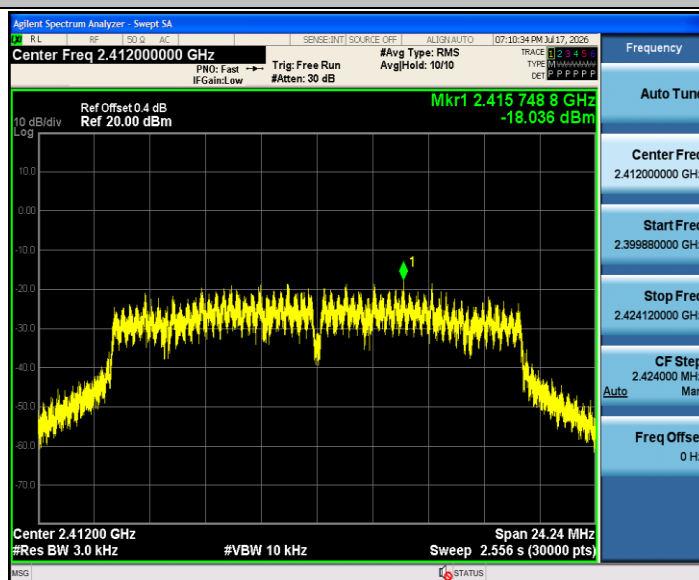
11G_Ant1_2437



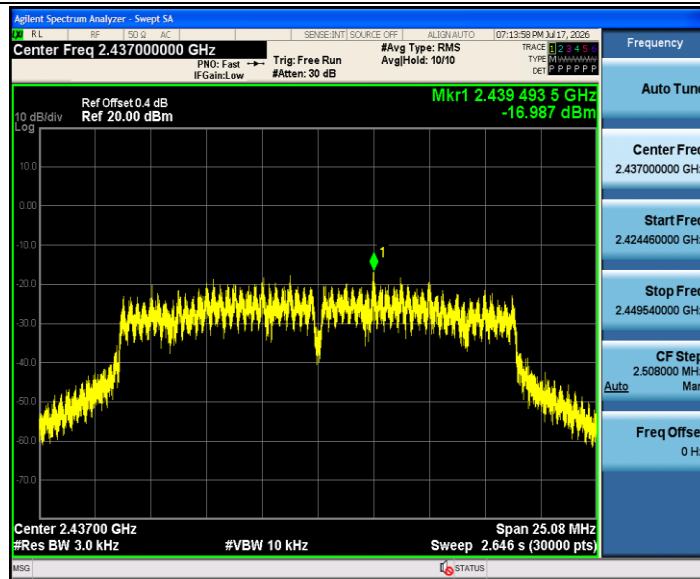
11G_Ant1_2462



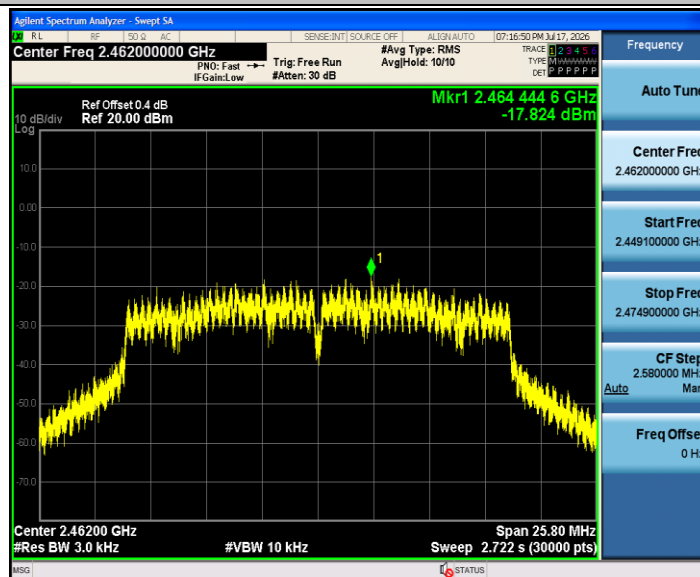
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



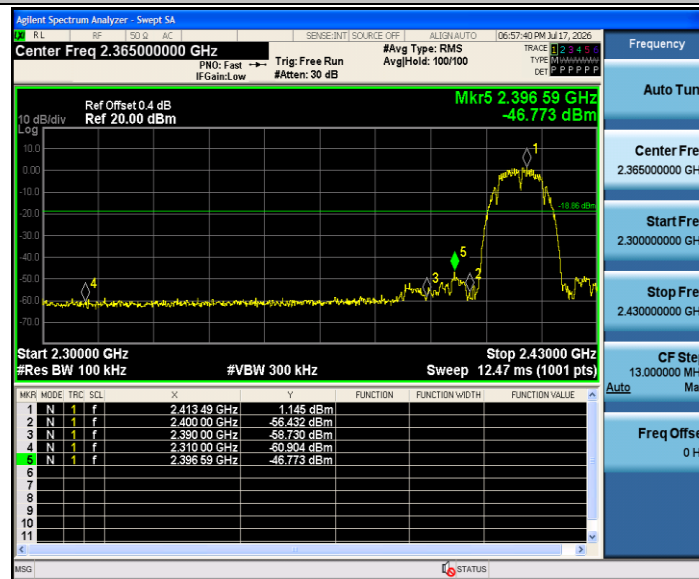
Appendix E: Band edge measurements

Test Result

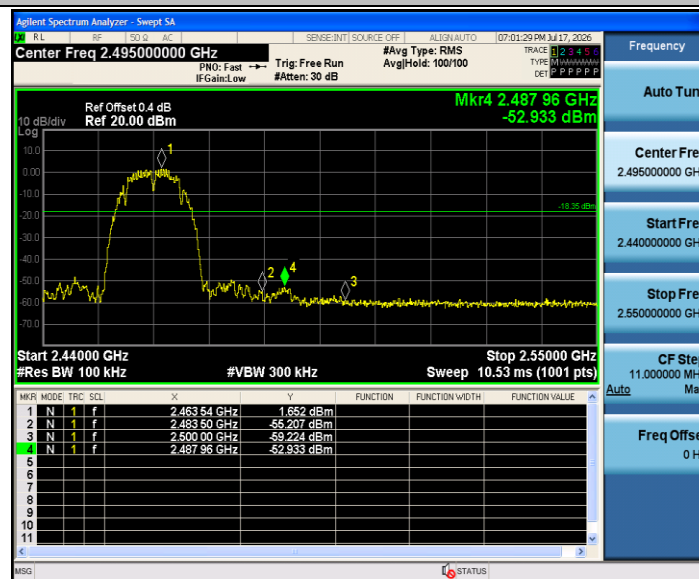
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.15	-46.77	≤ -18.86	PASS
		High	2462	1.65	-52.93	≤ -18.35	PASS
11G	Ant1	Low	2412	-2.98	-34.67	≤ -22.98	PASS
		High	2462	-2.48	-58.16	≤ -22.48	PASS
11N20SISO	Ant1	Low	2412	-2.78	-34	≤ -22.78	PASS
		High	2462	-2.95	-57.65	≤ -22.95	PASS

Test Graphs

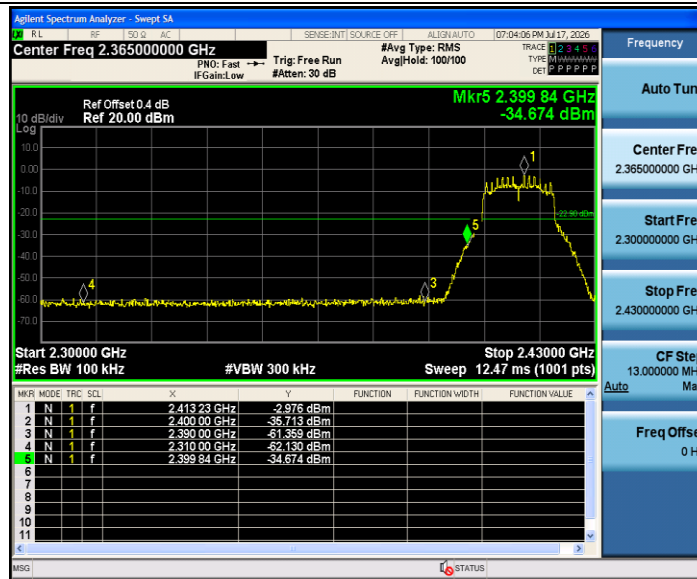
11B_Ant1_Low_2412



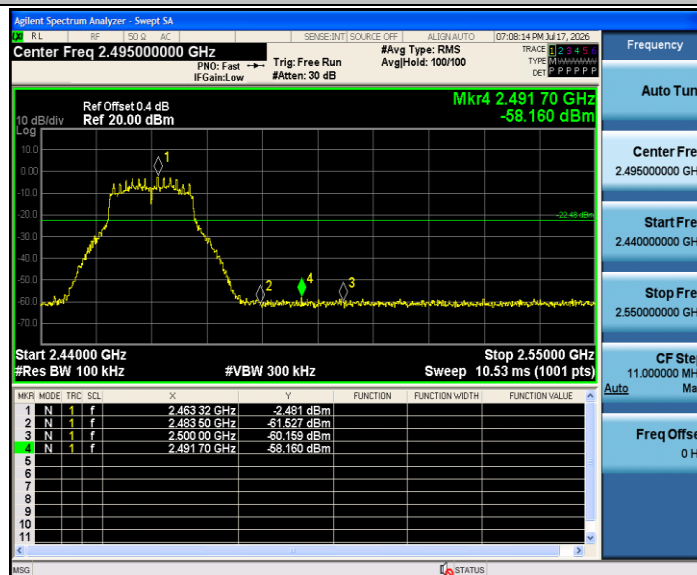
11B_Ant1_High_2462



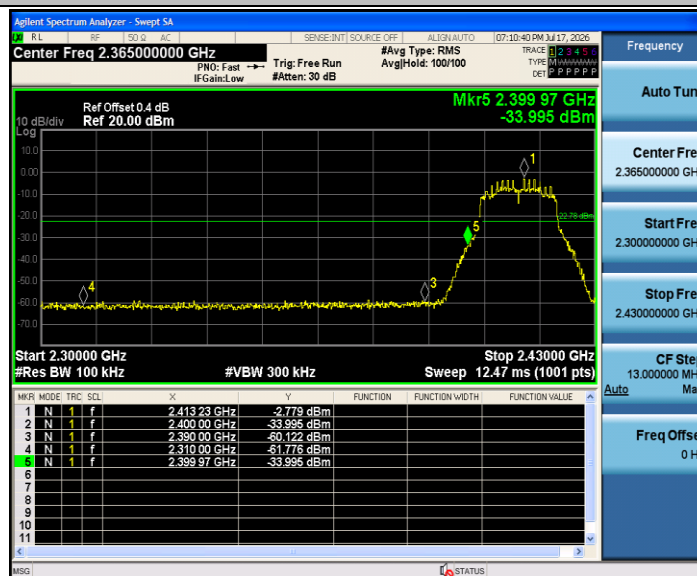
11G_Ant1_Low_2412



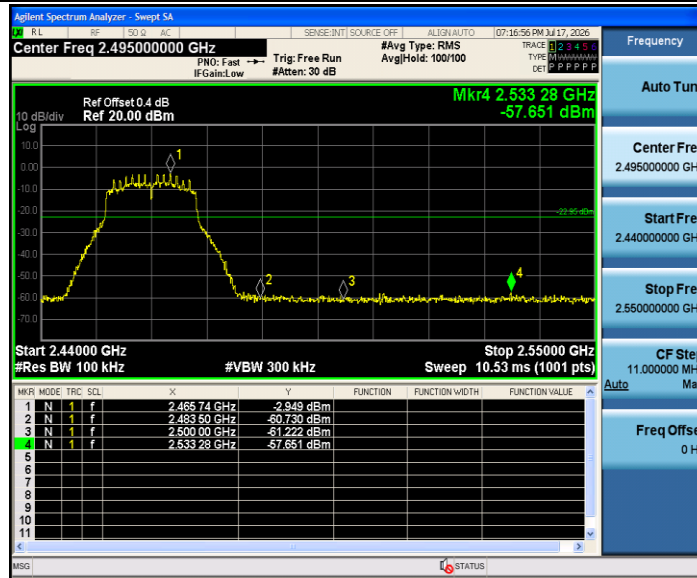
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



Appendix F: Conducted Spurious Emission

Test Result

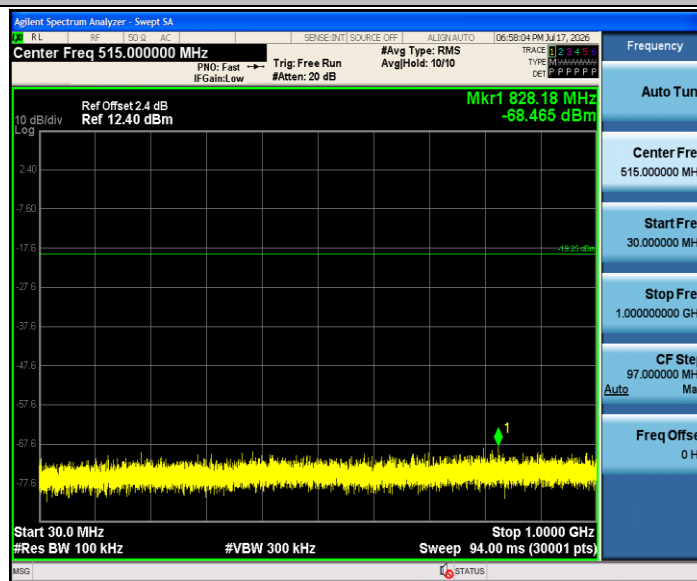
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	0.75	0.75	---	PASS
			30~1000	0.75	-68.47	≤-19.25	PASS
			1000~26500	0.75	-46.39	≤-19.25	PASS
		2437	Reference	1.37	1.37	---	PASS
			30~1000	1.37	-69.46	≤-18.63	PASS
			1000~26500	1.37	-47.13	≤-18.63	PASS
		2462	Reference	-0.28	-0.28	---	PASS
			30~1000	-0.28	-68.97	≤-20.28	PASS
			1000~26500	-0.28	-46.83	≤-20.28	PASS
11G	Ant1	2412	Reference	-3.41	-3.41	---	PASS
			30~1000	-3.41	-68.02	≤-23.41	PASS
			1000~26500	-3.41	-46.68	≤-23.41	PASS
		2437	Reference	-3.06	-3.06	---	PASS
			30~1000	-3.06	-69.39	≤-23.06	PASS
			1000~26500	-3.06	-46.37	≤-23.06	PASS
		2462	Reference	-3.21	-3.21	---	PASS
			30~1000	-3.21	-68.48	≤-23.21	PASS
			1000~26500	-3.21	-46.99	≤-23.21	PASS
11N20SISO	Ant1	2412	Reference	-3.40	-3.40	---	PASS
			30~1000	-3.40	-69.49	≤-23.4	PASS
			1000~26500	-3.40	-46.48	≤-23.4	PASS
		2437	Reference	-3.65	-3.65	---	PASS
			30~1000	-3.65	-68.41	≤-23.65	PASS
			1000~26500	-3.65	-46.71	≤-23.65	PASS
		2462	Reference	-3.84	-3.84	---	PASS
			30~1000	-3.84	-68.78	≤-23.84	PASS
			1000~26500	-3.84	-46.25	≤-23.84	PASS

Test Graphs

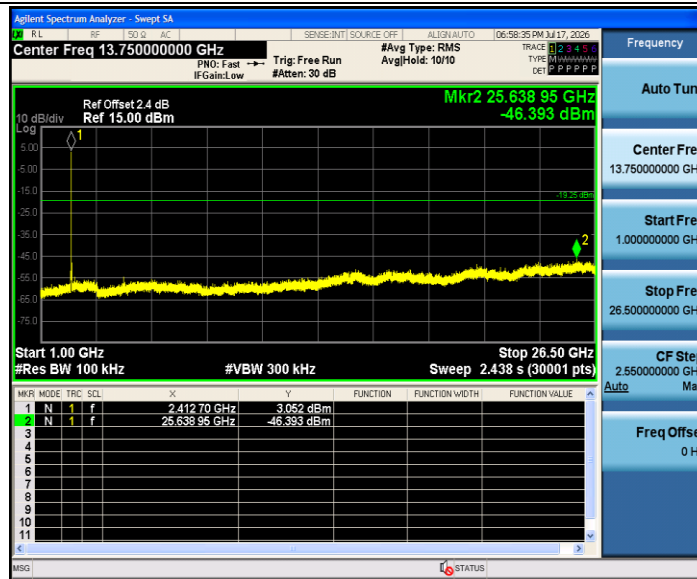
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



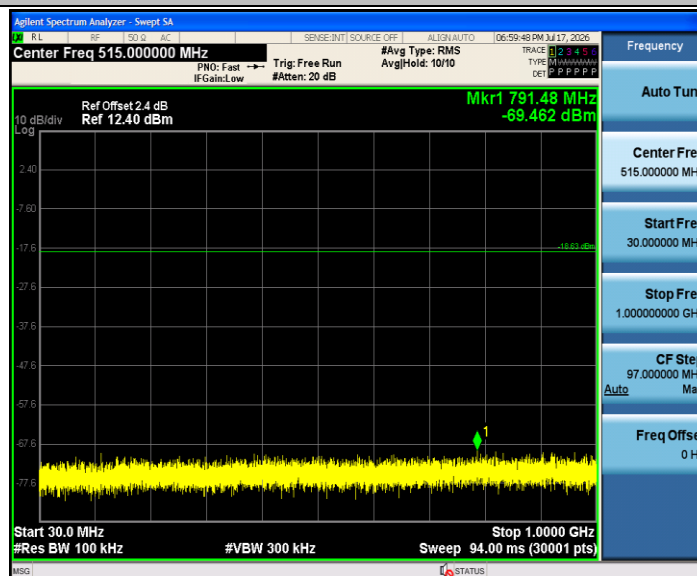
11B_Ant1_2412_1000~26500



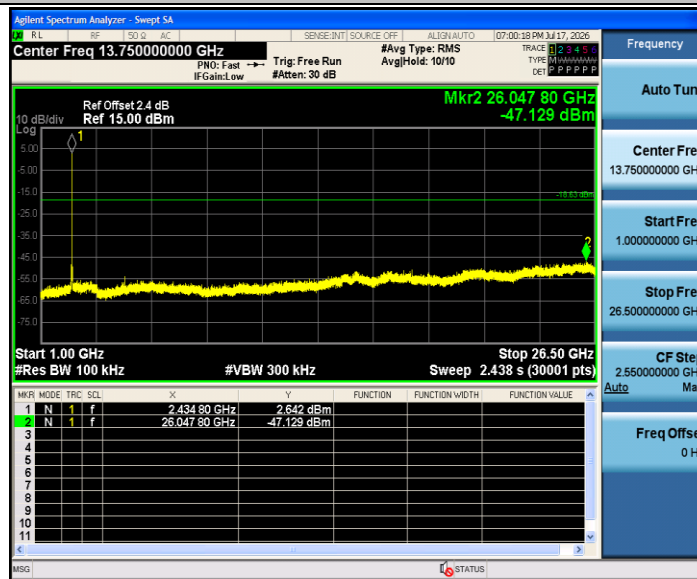
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



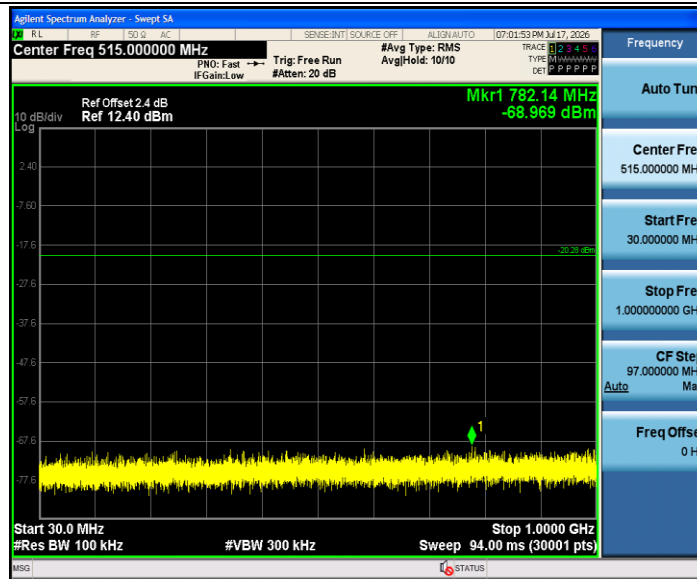
11B_Ant1_2437_1000~26500



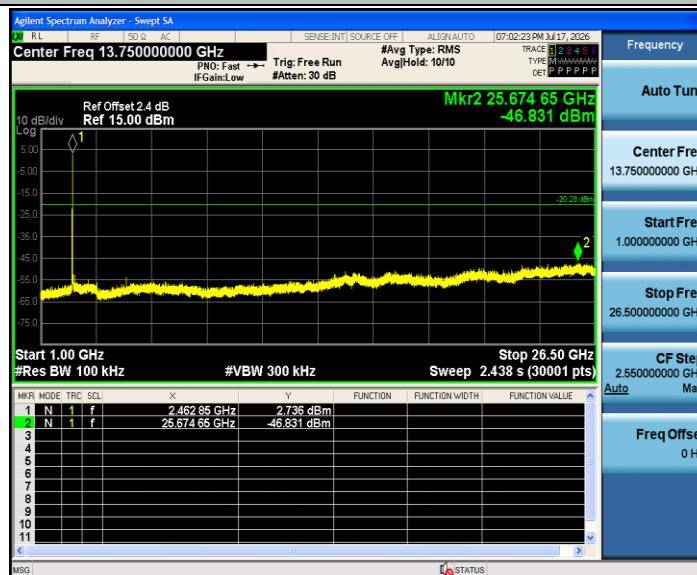
11B_Ant1_2462_0~Reference



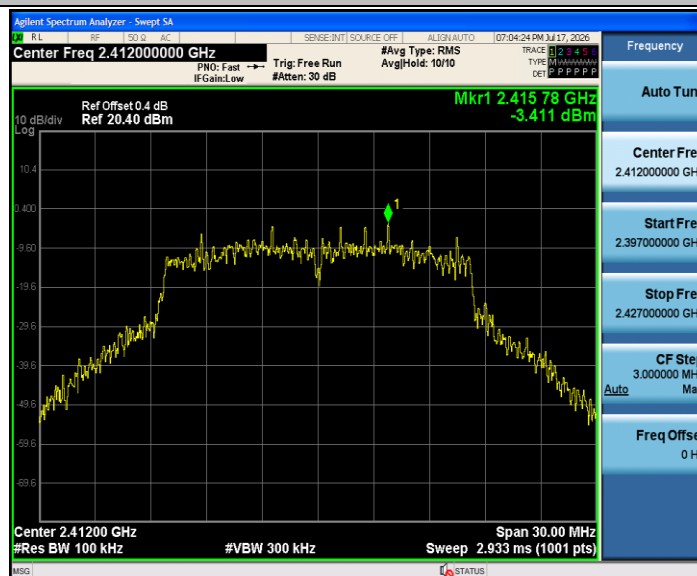
11B_Ant1_2462_30~1000



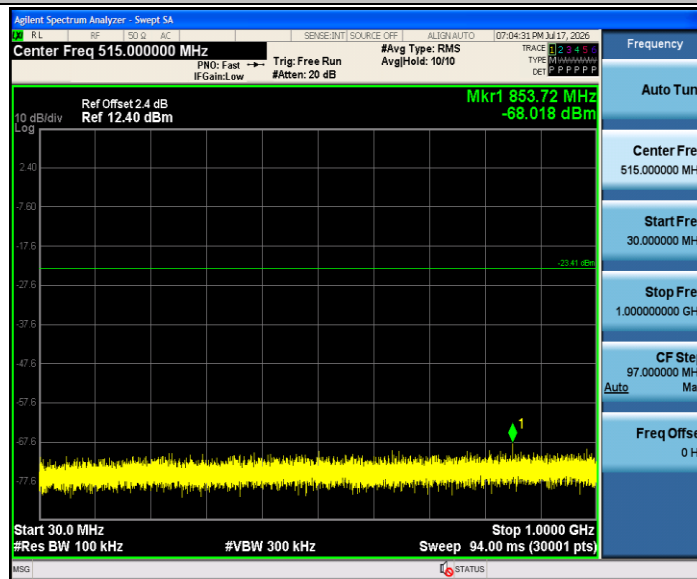
11B_Ant1_2462_1000~26500



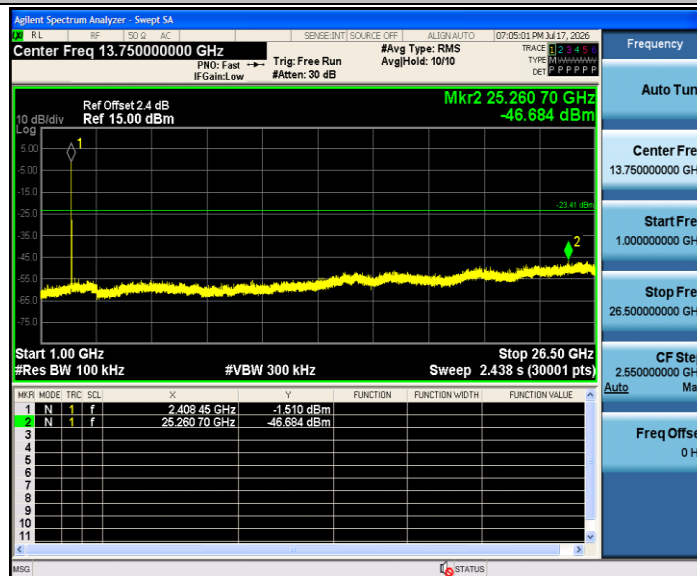
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



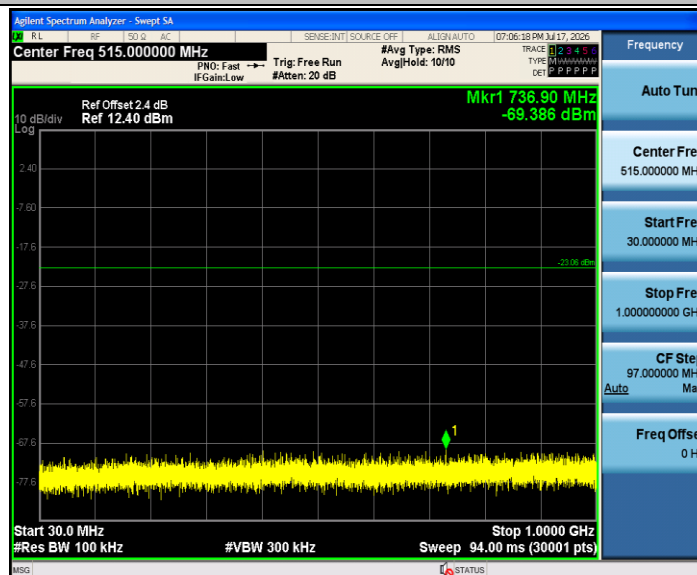
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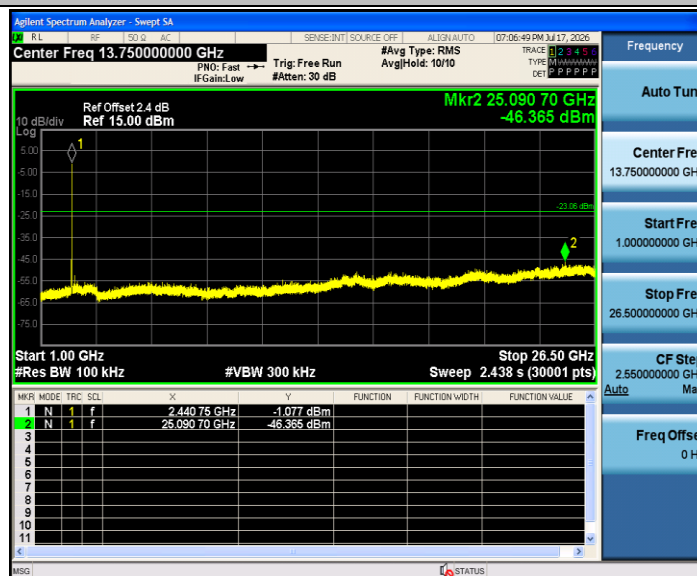
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



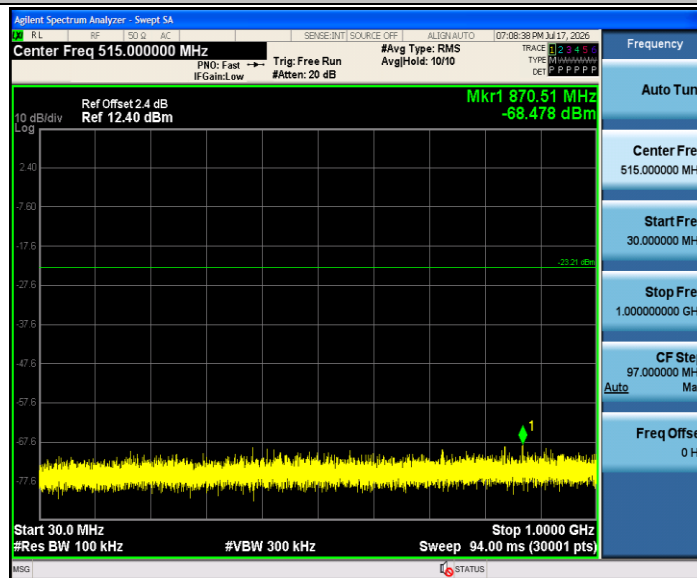
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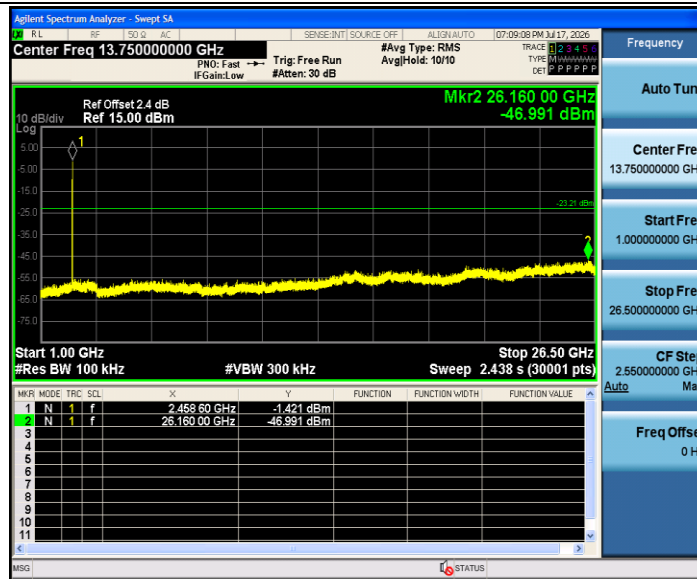
11G_Ant1_2462_0~Reference



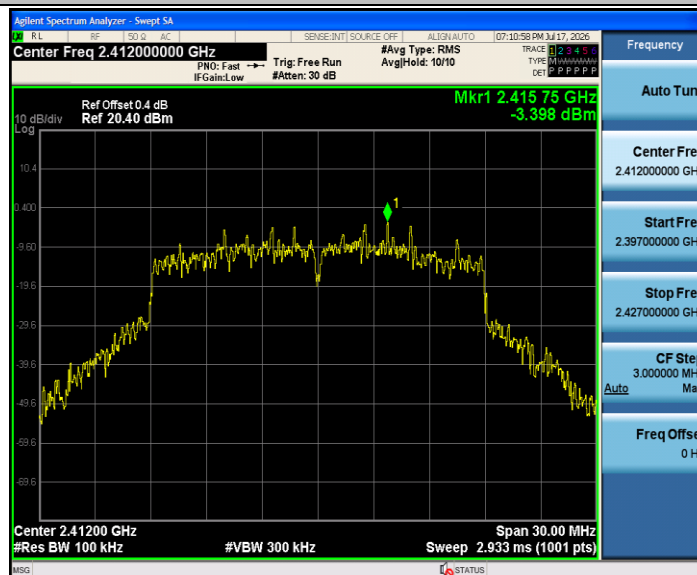
11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000

